Name:

Load this document into Microsoft Word and edit it. When you are finished, deposit your document in the quizzes directory: */data/courses/ece\_1111/current/quizzes/qu\_01/lastname\_firstname*.

1. (25 pts) Depositing your quiz in the right directory gets you full credit for this part. Create a directory *p01* in your quiz directory and make sure you are the only person who can view its contents. Copy this file, an MS Word document with a filename *quiz\_01\_v00.docx* to this directory (*/p01*).
2. (25 pts) Describe the sequence of keyboard commands (not mouse commands) in emacs you would use to open a file a file from the directory */data/courses/ece\_1111*, find the first occurrence of the string “xxxyyy” in the file, copy the entire line containing this text into memory, go to the end of the file and paste that text. Put this description in a file *p02.txt* in a directory */p02*. You will be graded on the efficiency of your solution.
3. (25 pts) Explain what sequence of files are executed when you type “bash” from the command line and a new prompt is produced. Explain the meaning of the prompt. Discuss all files executed to set up the corresponding environment available to you. Put this description in a file *p03.txt* in a subdirectory */p03*.
4. (25 pts) In the database located here:

*/data/courses/ece\_1111/resources/data*

using Linux command line tools such as find, find the number of files that have a filename that includes a least one instance of the character “a” followed by at least one instance of “b”, followed by at least one instance of “c”, and followed by one instance of “d”. For example, the filename “joe\_a\_b\_c\_d\_joe.txt” would meet this criterion. This must be a single line command. You can use pipes. Place the command and its output in a file *p04.txt* in a directory */p04*.

You can use code generation tools such as ChatGPT, but your solution must be your own work and not rely on concepts we haven’t covered in this course. Do not simply cut and paste output from one of these tools – that won’t get you a very good grade on this quiz.